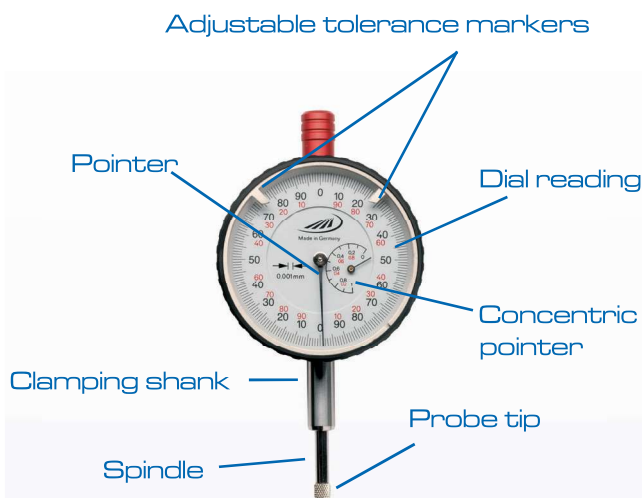




HELIOS · PREISSER

SAMPLES INDICATORS



Specifications

- Housing made from metal or polyamide
- Replacement probe tips M 2,5
- Shockproof devices available
- Water and oil proof devices available

Electronic functions

QuickStart Electronic:
Moving the spindle starts your measurement



QuickLock Function:
Single keys can be locked individually



Data Variable:
Interface for USB, RS 232 & Digimatic



Integrated data transmission
(Integrated Wireless)



Individual tolerance limit values

Data Variable Interface



Combined analogue / digital display

1734i

with integrated wireless

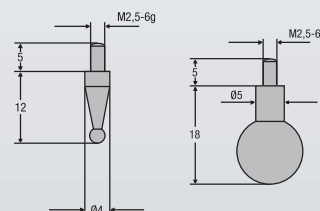
Matching accessories for our Indicators



MEASURING
TABLES



MEASURING
STANDS



MEASURING
INSERTS

3. CHAPTER INDICATORS

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1722 / 1723 / 1724 DIGI-MET® Indicators



1722 502



1723 502



1724 502

Model

- Outer ring (Bezel) Ø 60 mm
- Replacement probe tip M 2.5
- Protection class IP52
- Clamping shank Ø 8 mm
- LCD display with 12 mm high numerals
- Accuracy according to factory standard

Functions

- ON / OFF
- Quick-Start**
- Quick-Lock** (key lock)
- Set to zero at any point
- Reversal of counting direction
- mm / inch switching
- Individual key lock

Delivery

- Cardboard box

		Measuring span	Resolution		Error limit	Measuring force	Order no.	List price
		mm	mm	inch	mm	N		EUR
		12.5	0.01	.0005	0.02	0.5 - 1	1722 502	142.00
		12.5	0.005	.0001	0.015	0.5 - 1	1723 502	179.00
		12.5	0.001	.00005	0.005	0.5 - 1	1724 502	296.00



1998720



1997501



1998501

Accessories

Battery, 3V-Lithium, CR 2032

Data cable Data Variable to USB

Data cable Data Variable to RS232

Data cable Data Variable to digimatic

Cable release (12,5 mm)

Order no.

0220 704

1998 720

1997 501

1998 501

1739 920

List price
EUR

3.90

72.00

50.00

64.00

14.90



1726 / 1728 DIGI-MET® Indicators



1726 502



1728 502



Model



- Aluminium housing
- Hardened stainless steel spindle
- Outer ring (Bezel) Ø 60 mm
- Replacement probe tip M 2.5
- Protection class IP42
- Clamping shank Ø 8 mm
- Display unit can be rotated through 280°
- LCD display with 11 mm high numerals
- Factory standard

Functions

- ON / OFF
- Quick-Start
- Quick-Lock (key lock)
- Set to zero at any point
- mm / inch switching
- ABS (display can be set to zero without losing the Preset value)
- TOL (tolerance value input)
- Reversal of counting direction
- Factor input

Delivery

- Cardboard box

		Measuring span	Resolution		Error limit		Repeatability	Measuring force	Order no.	List price
		mm	mm	inch	total span mm	partial span** mm	mm	N		EUR
Reading 0.001 mm										
		12.5	0.001*	.00005	0.004	0.002	0.001	0.65 - 0.9	1726 502	345.00
		25	0.001*	.00005	0.004	0.002	0.001	0.65 - 1.15	1726 506	380.00
		50	0.001*	.00005	0.007	0.002	0.001	1.25 - 2.7	1726 510	669.00
		100	0.001*	.00005	0.008	0.002	0.001	1.6 - 3.5	1726 514	828.00
Reading 0.01 mm										
		12.5	0.01	.0005	0.02		0.01	0.65 - 0.9	1728 502	289.00
		25	0.01	.0005	0.02		0.01	0.65 - 1.15	1728 506	368.00
		50	0.01	.0005	0.02		0.01	1.25 - 2.7	1728 510	600.00
		100	0.01	.0005	0.02		0.01	1.6 - 3.5	1728 514	768.00

* Reading switchable: 0.0005 / 0.001 / 0.002 / 0.005 / 0.010 mm

** Partial span = 25 steps by step value 0.0005 mm



1998720

1998501

1997501

Accessories	Order no.	List price EUR
Battery, 3V-Lithium, CR 2450	1998 770	5.90
Data cable Data Variable to USB	1998 720	72.00
Data cable Data Variable to RS232	1997 501	50.00
Data cable Data Variable to digimatic	1998 501	64.00
Cable release (12,5 mm)	1739 910	40.00



1730 / 1732 DIGI-MET® Indicators



1730 502



1730 506

Model



- Aluminium housing
- Outer ring (Bezel) Ø 60 mm
- Replacement probe tip M 2.5
- Protection class IP54
- Clamping shank Ø 8 mm
- Display unit can be rotated through 280°
- LCD display with 11 mm high numerals
- Factory standard

Functions

- ON / OFF
- **Quick-Start**
- **Quick-Lock** (key lock)
- Set to zero at any point
- mm / inch switching
- ABS (display can be set to zero without losing the Preset value)
- TOL (tolerance value input)
- Reversal of counting direction
- Factor input
- Individual key lock
- PRESET-Function (setting a numerical value)
- Variable data output RS 232 + Digimatic + USB

Delivery

- Cardboard box

		Measuring span	Resolution		Error limit		Repeatability	Measuring force	Order no.	List price
		mm	mm	inch	total span mm	partial span** mm	mm	N		EUR
		12.5	0.001	.00005	0.004	0.002	0.001	0.65 - 0.9	1730 502	382.00
		25	0.001	.00005	0.004	0.002	0.001	0.65 - 1.15	1730 506	431.00

* Reading switchable: 0.0005 / 0.001 / 0.002 / 0.005 / 0.010 mm

** Partial span= 25 steps by step value 0.0005 mm



1998720

1998501

1997501

Accessories

	Order no.	List price EUR
Battery, 3V-Lithium, CR 2450	1998 770	5.90
Data cable Data Variable to USB	1998 720	72.00
Data cable Data Variable to RS232	1997 501	50.00
Data cable Data Variable to digimatic	1998 501	64.00
Cable release (12,5 mm)	1739 910	40.00



1734 DIGI-MET® indicators with combined analogue / digital display



Model

- Aluminium housing
- Hardened stainless steel spindle
- Outer ring (Bezel) Ø 60 mm
- Replacement probe tip M 2.5
- Protection class IP42
- Clamping shank Ø 8 mm
- Display unit can be rotated through 280°
- LCD display with 8.5 mm high numerals
- Factory standard

Functions

- ON / OFF
- Quick-Start
- Quick-Lock (key lock)
- Set to zero at any point
- mm / inch switching
- ABS (display can be set to zero without losing the Preset value)
- TOL (tolerance value input)
- MIN / MAX
- TIR (MIN-MAX differential)
- Reversal of counting direction

Delivery

- Cardboard box

	Measuring span	Resolution		Error limit		Repeatability	Measuring force	Order no.	List price
		mm	inch	total span mm	partial span** mm				
	12.5	0.001	.00005	0.004	0.002	0.001	0.65 - 0.9	1734 502	397.00
	25	0.001	.00005	0.004	0.002	0.001	0.65 - 1.15	1734 506	455.00

* Reading switchable: 0.0005 / 0.001 / 0.002 / 0.005 / 0.010 mm

** Partial span = 25 steps by step value 0.0005 mm



1998720

1998501

1997501

Accessories

	Order no.	List price EUR
Battery, 3V-Lithium, CR 2450	1998 770	5.90
Data cable Data Variable to USB	1998 720	72.00
Data cable Data Variable to RS232	1997 501	50.00
Data cable Data Variable to digimatic	1998 501	64.00
Cable release (12,5 mm)	1739 910	40.00



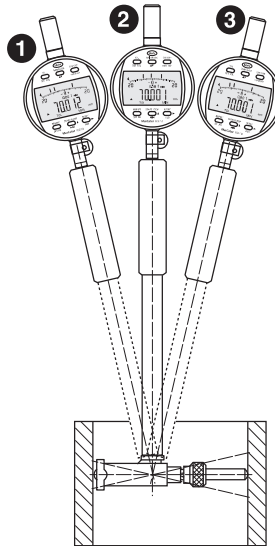
1734 DIGI-MET® indicator with combined analogue / digital display



for comparator gauges



1734 522



Application

The turning point can be determined automatically in measurements with a 2 point internal measuring device through commuting. The actual value is detected and stored by the MIN function and appears on the display.

Model

- Aluminium housing
- Hardened stainless steel spindle
- Outer ring (Bezel) Ø 60 mm
- Replacement probe tip M 2.5
- Protection class IP42
- Clamping shank Ø 8 mm
- Display unit can be rotated through 280°
- LCD display with 8.5 mm high numerals
- Factory standard

Functions

- ON / OFF
- Quick-Start**
- Quick-Lock** (key lock)
- Set to zero at any point
- mm / inch switching
- ABS (display can be set to zero without losing the Preset value)
- TOL (tolerance value input)
- MIN / MAX
- Reversal of counting direction
- Factor input
- Individual key lock
- Variable data output RS 232 + Digimatic + USB
- PRESET-Function (setting a numerical value)

Delivery

- Cardboard box

	Measuring span	Resolution		Error limit		Repeatability	Measuring force	Order no.	List price
		mm	inch	total span mm	partial span** mm		N		
	12.5	0.001	.00005	0.004	0.002	0.001	0.65 - 0.9	1734 522	515.00

* Reading switchable: 0.0005 / 0.001 / 0.002 / 0.005 / 0.010 mm

** Partial span= 25 steps by step value 0.0005 mm

Accessories

	Order no.	List price
Battery, 3V-Lithium, CR 2450	1998 770	5.90
Data cable Data Variable to USB	1998 720	72.00
Data cable Data Variable to RS232	1997 501	50.00
Data cable Data Variable to digimatic	1998 501	64.00
Cable release (12,5 mm)	1739 910	40.00



1998720

1998501

1997501



1726i / 1734i DIGI-MET® Indicators with integrated wireless



1726 50260



1734 50260



integrated iw wireless

Wireless Data Transmission



Model

- Aluminium housing
- Outer ring (Bezel) Ø 60 mm
- Replacement probe tip M2.5
- Protection class IP42
- Clamping shank Ø 8mm
- Display can be rotated through 280°
- LCD display with 11 mm high numerals
- Factory standard

Functions

- ON / OFF
- Quick-Start**
- Quick-Lock** (key lock)
- Set to zero at any point
- mm / inch switching
- ABS (display can be set to zero without losing the Preset value)
- TOL (tolerance value input)
- Reversal of counting direction

- Factor input
- Individual key lock
- PRESET-Function (setting a numerical value)
- Variable data output RS 232 + Digimatic + USB
- Integrated Wireless

Delivery

- Cardboard box

More information on our i-series and Integrated Wireless on page 277

Measuring span	Resolution		Error limit		Repeatability	Measuring force N	Order no.	List price EUR
	mm	mm	inch	total span mm	partial span** mm			
12.5	0.0005	.00002	0.004	0.002	0.001	0.65 - 0.9	1726 50260	391.00
25	0.0005	.00002	0.004	0.002	0.001	0.65 - 1.15	1726 50660	425.00
With combined analogue / digital display and MIN / MAX / TIR Function								
12.5	0.0005	.00002	0.004	0.002	0.001	0.65 - 0.85	1734 50260	441.00
25	0.0005	.00002	0.004	0.002	0.001	0.65 - 0.9	1734 50660	497.00

* Reading switchable: 0.0005 / 0.001 / 0.002 / 0.005 / 0.010 mm

** Partial span= 25 steps by step value 0.0005 mm



1998780

Accessories

	Order no.	List price EUR
Battery, 3V-Lithium, CR 2450	1998 770	5.90
Data cable Data Variable to USB	1998 720	72.00
Data cable Data Variable to RS232	1997 501	50.00
Data cable Data Variable to digimatic	1998 501	64.00
Cable release (12,5 mm)	1739 910	40.00
i-Stick USB-receiver for Integrated Wireless	1998 780	95.00

Integrated Wireless is intended to be sold in the European Economic Area only



0691 DIGI-MET® Indicators



Model

- Aluminium housing
- Outer ring (Bezel) Ø 60 mm
- Replacement probe tip M 2.5
- Protection class IP51
- Water and coolant resistant
- Clamping shank Ø 8 mm
- Display unit can be rotated through 270°
- LCD display with 11 mm high numerals
- Factory standard

Functions

- ON / OFF
- Set to zero at any point
- mm / inch switching
- PRESET-Function (setting a numerical value)
- Reversal of counting direction
- Data interface RS232 Proximity (cable no. 1998 760)

* Additional functions: models 0691 751 + 0691 753

- TOL (tolerance value input)
- Factor input
- MIN / MAX
- TIR (MIN-MAX differential)

Delivery

- Cardboard box



0691 733



0691 735



0691 747



		Measuring span	Resolution		Error limit	Order no.	List price
		mm	mm	inch	mm		EUR
Reading 0.01 mm							
		12.5	0.01	.0005	0.01	0691 731	378.00
		25	0.01	.0005	0.01	0691 733	433.00
		50	0.01	.0005	0.02	0691 735	943.00
		100	0.01	.0005	0.02	0691 737	1063.00
Reading 0.001 mm							
		12.5	0.001	.00005	0.004	0691 741	467.00
		25	0.001	.00005	0.005	0691 743	512.00
		50	0.001	.00005	0.007	0691 745	1045.00
		100	0.001	.00005	0.008	0691 747	1207.00
Reading 0.001 mm, with additional functions*							
		12.5	0.001	.00005	0.003	0691 751	543.00
		25	0.001	.00005	0.004	0691 753	600.00



0701 Small dial gauges with lightweight plastic housing



Model

- Lightweight housing made of polyamide
- Measuring spindle is made of stainless steel
- Replacement probe tip M 2.5
- Clamping shank Ø 8 mm
- DIN 878

Delivery

- Fitted case

**DIN
878**

Measuring span mm	Scale graduation value mm	Range per rev. mm	Outer ring (Bezel) Ø mm	Order no.	List price EUR
Small dial gauge					
5	0.01	0.5	40	0701 101	41.70
Shockproof small dial gauge					
5	0.01	0.5	40	0701 102	52.00

0708 Small dial gauges



0708 101



0708 102

Model

- Metal housing
- Measuring spindle is made of stainless steel
- Replacement probe tip M 2.5
- Clamping shank Ø 8 mm
- With a revolution counter
- DIN 878

Delivery

- Fitted case

**DIN
878**

Measuring span mm	Scale graduation value mm	Range per rev. mm	Outer ring (Bezel) Ø mm	Order no.	List price EUR
10	0.01	0.5	40	0708 101	90.00
5	0.01	0.5	40	0708 102	57.00
3	0.01	0.5	32	0708 103	69.00
3	0.01	0.5	40	0708 104	46.90
Shockproof small dial gauge					
3	0.01	0.5	40	0708 105	57.00
5	0.01	0.5	40	0708 106	76.00



0701 Dial gauges



0701 106



0701 110

Model

- Measuring spindle is made of stainless steel
- Replacement probe tip M 2.5
- Clamping shank Ø 8 mm
- DIN 878
- 0701 103 = Factory standard

Delivery

- Fitted case

DIN
878

	Measuring span mm	Scale graduation value mm	Range per rev. mm	Outer ring (Bezel) Ø mm	Order no.	List price EUR
Dial gauge, plastic housing						
	10	0.01	1	58	0701 103	24.00
Dial indicator with shock protection, injection-molded housing						
	10	0.01	1	58	0701 106	25.00
Dial gauge, metal housing						
	10	0.01	1	58	0701 110	41.70
Shockproof dial gauge, metal housing						
	10	0.01	1	58	0701 111	47.90

0703 Dial gauges with extended measuring range



0703 101

Model

- Metal housing
- Measuring spindle is made of stainless steel
- Replacement probe tip M 2.5
- Clamping shank Ø 8 mm
- With a concentric pointer
- Factory standard

Delivery

- Fitted case

	Measuring span mm	Scale graduation value mm	Range per rev. mm	Outer ring (Bezel) Ø mm	Order no.	List price EUR
	30	0.01	1	58	0703 101	103.00
	50	0.01	1	58	0703 104	143.00
	80	0.01	1	58	0703 107	287.00



0704 Shockproof dial gauges



0704 105



0704 109

Model

- Metal housing
- Measuring spindle is made of stainless steel
- Replacement probe tip M 2.5
- Clamping shank Ø 8 mm
- Shockproof

Delivery

- Fitted case

DIN
878

Measuring span mm	Scale graduation value mm	Range per rev. mm	Outer ring (Bezel) Ø mm	Order no.	List price EUR
Revolution counter: DIN 878					
10	0.01	1	58	0704 105	73.00
With fine adjustment of the pointer: DIN 878					
10	0.01	1	58	0704 106	90.00
Concentric pointer: Factory standard					
30	0.01	1	58	0704 109	118.00
50	0.01	1	58	0704 110	152.00

0707 Water and oil proof dial gauges



0707 102

Model

- Metal housing, water and oil proof
- Protection class IP67
- Measuring spindle is made of stainless steel
- Replacement probe tip M 2.5
- Clamping shank Ø 8 mm
- Rubber bellows
- Shockproof
- Outer ring (Bezel) can be rotated through 360°
- DIN 878

Delivery

- Fitted case



DIN
878

Measuring span mm	Scale graduation value mm	Range per rev. mm	Outer ring (Bezel) Ø mm	Order no.	List price EUR
3	0.01	0.5	44.5	0707 101	129.00
10	0.01	1	61.5	0707 102	110.00



0700 Dial gauges, graduation 0.1 mm



0700 102



0700 104

Model

- Metal housing
- Measuring spindle is made of stainless steel
- Replacement probe tip M 2.5
- Clamping shank Ø 8 mm
- Factory standard

Delivery

- Fitted case

	Measuring span mm	Scale graduation value mm	Range per rev. mm	Outer ring (Bezel) Ø mm	Order no.	List price EUR
	10	0.1	10	40	0700 100	63.00
	5	0.1	5	40	0700 101	63.00
	10	0.1	10	58	0700 102	47.90
Straight line revolution counter						
	30	0.1	10	58	0700 104	55.00

0702 Dial gauge with concentric mm display



0702 106

Model

- Metal housing
- Measuring spindle is made of stainless steel
- Replacement probe tip M 2.5
- Clamping shank Ø 8 mm
- With a concentric pointer
- DIN 878

Delivery

- Fitted case

**DIN
878**

	Measuring span mm	Scale graduation value mm	Range per rev. mm	Outer ring (Bezel) Ø mm	Order no.	List price EUR
	10	0.01	1	58	0702 106	64.00



0705 Precision dial gauges



0705 102

Model

- Metal housing
- Measuring spindle is made of stainless steel
- Replacement probe tip M 2.5
- Clamping shank Ø 8 mm
- With a revolution counter
- Factory standard

Delivery

- Fitted case

Icon	Measuring span mm	Scale graduation value mm	Range per rev. mm	Outer ring (Bezel) Ø mm	Order no.	List price EUR
	1	0.001	0.2	40	0705 102	113.00
	1	0.001	0.2	58	0705 104	113.00
	5	0.001	0.2	58	0705 105	118.00
Precision shockproof dial gauge						
	1	0.001	0.2	40	0705 107	120.00
	5	0.001	0.2	58	0705 109	146.00

0706 Error free, shockproof dial gauge



0706 102

Model

- Metal housing
- Measuring spindle is made of stainless steel
- Replacement probe tip M 2.5
- Clamping shank Ø 8 mm
- DIN 878

Delivery

- Fitted case

**DIN
878**

Icon	Measuring span mm	Scale graduation value mm	Dial reading	Overtravel mm	Outer ring (Bezel) Ø mm	Order no.	List price EUR
	0.8	0.01	40-0-40	1	58	0706 102	73.00



0709 Dial gauges with reverse action plunger



Model

- Metal housing
- Measuring spindle is made of stainless steel
- Replacement probe tip M 2.5
- Clamping shank Ø 8 mm
- Factory standard

Delivery

- Fitted case

☒	☒	Measuring span	Scale graduation value	Range per rev.	Outer ring (Bezel)	Order no.	List price
		mm	mm	mm	Ø mm		EUR
		3	0.01	0.5	40	0709 101	108.00
		5	0.01	1	58	0709 108	129.00

0712 Dial comparator gauge MICROTAST



0712 121



0712 124

Model

- Measuring spindle is made of hardened stainless steel
- Longer measuring spindle
- Replacement probe tip M 2.5
- Clamping shank Ø 8 mm
- Tolerance markers
- Shockproof
- Fine adjustment
- DIN 879

Delivery

- Fitted case

**DIN
879**



☒	☒	Measuring span	Scale graduation value	Dial reading	Overtravel	Order no.	List price
		mm	mm		mm		EUR
		0.5	0.01	25-0-25	2.5	0712 121	155.00
		0.1	0.001	50-0-50	3	0712 124	190.00

0710 Magnetic back

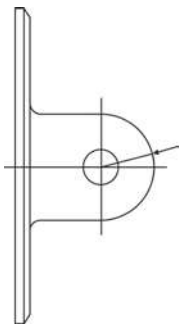


Model

- For dial gauges with outer ring (Bezel) Ø 58 mm
- Allows dial gauges to be used without a holder or a stand
- Magnetic force 220 N
- Cannot be used in conjunction with dial gauges 0701 103 and 0701 106 or any digital gauges



		Order no.	List price EUR
		0710 101	53.00

0710 Lug back

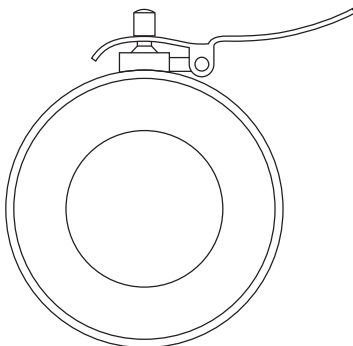


Model

- Ø 5 mm
- For retrofitting
- Cannot be used in conjunction with dial gauges 0701 103 and 0701 106 or any digital gauges



		Diameter mm	Order no.	List price EUR
For dial gauges with an outer ring (Bezel) dia. 40 mm				
		5	0710 102	6.60
For dial gauges with an outer ring (Bezel) dia. 58 mm				
		5	0710 103	6.80

0710 Spindle lifting lever



Model

- For dial gauges with a measuring span of max. 10 mm
- Cannot be used in conjunction with dial gauges 0701 103 and 0701 106 or any digital gauges

		Order no.	List price EUR
For dial gauges with an outer ring (Bezel) dia. 40 mm			
		0710 104	10.50
For dial gauges with an outer ring (Bezel) dia. 58 mm			
		0710 105	10.50



0724 Angle lever attachment



Model

- Clamping shank Ø 8 mm
- Smallest measurable hole: 6 mm

Delivery

- Excludes dial gauge

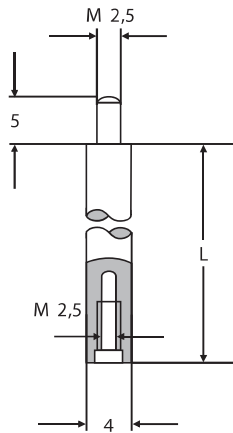
⌘	📏	Measuring depth mm	Order no.	List price EUR
		60	0724 101	47.90

0710 Extensions for dial gauges



Model

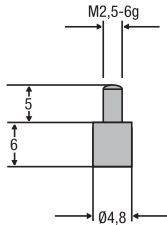
- Special steel
- Thread M 2,5



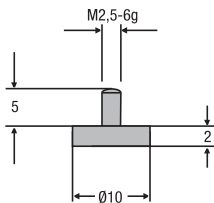
⌘	📏	Length mm	Order no.	List price EUR
		10	0710 111	4.50
		15	0710 112	4.50
		20	0710 113	4.50
		25	0710 114	4.50
		30	0710 115	4.50
		35	0710 116	4.50
		40	0710 117	4.50
		45	0710 118	4.50
		50	0710 119	4.50
		55	0710 120	4.50
		60	0710 121	4.50
		65	0710 122	4.50
		70	0710 123	4.50
		75	0710 124	4.50
		80	0710 125	4.50
		85	0710 126	4.50
		90	0710 127	4.50
		95	0710 128	4.50
		100	0710 129	4.50



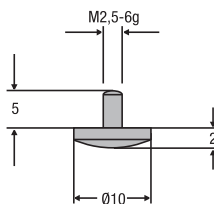
0710 Measuring inserts M 2.5



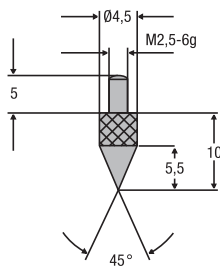
Material contact surface	Length mm	Order no.	List price EUR
Special steel	6	0710 161	3.60
Carbide	6	0710 261	24.80



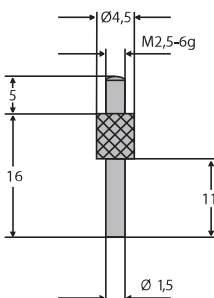
Material contact surface	Length mm	Order no.	List price EUR
Special steel	2	0710 162	4.70
Carbide	2	0710 262	40.00



Material contact surface	Length mm	Order no.	List price EUR
Special steel	2	0710 163	5.40
Carbide	2	0710 263	48.20



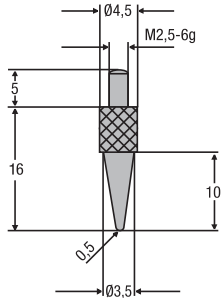
Material contact surface	Length mm	Order no.	List price EUR
Special steel	10	0710 164	5.40
Carbide	10	0710 264	46.70



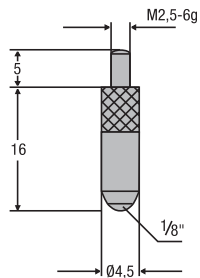
Material contact surface	Length mm	Diameter	Order no.	List price EUR
Special steel	16	1.5 mm	0710 165	6.80
Carbide	16	1.5 mm	0710 265	21.50



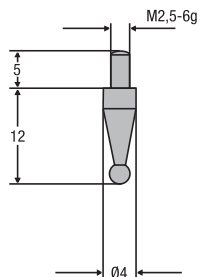
0710 Measuring inserts M 2.5



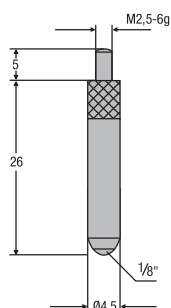
Material contact surface	Length mm	Order no.	List price EUR
Special steel	16	0710 166	4.90



Material contact surface	Length mm	Order no.	List price EUR
Special steel	16	0710 167	3.40
Carbide	16	0710 267	11.40
Ruby	16	0710 367	8.90
Sapphire	16	0710 467	8.90



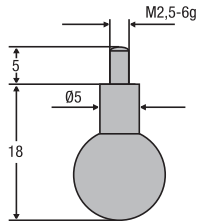
Material contact surface	Length mm	Ball diameter mm	Order no.	List price EUR
Tolerance of the ball diameter +/- 1 µm				
Special steel	12	1	0710 169	6.80
Special steel	12	1.5	0710 170	6.80
Special steel	12	2	0710 171	6.80
Special steel	12	2.5	0710 172	6.80
Special steel	12	3	0710 173	6.80
Special steel	12	3.5	0710 174	6.80
Special steel	12	4	0710 175	6.80
Special steel	12	4.5	0710 176	6.80
Special steel	12	5	0710 177	6.80
Special steel	12	5.5	0710 178	6.80
Special steel	12	6	0710 179	6.80
Special steel	12	6.5	0710 180	6.80



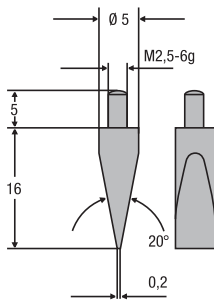
Material contact surface	Length mm	Order no.	List price EUR
Special steel	26	0710 168	3.40
Carbide	26	0710 268	11.40
Ruby	26	0710 368	8.90
Sapphire	26	0710 468	8.90



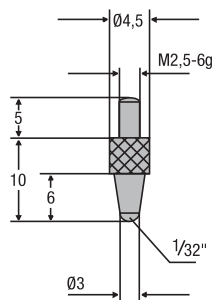
0710 Measuring inserts M 2.5



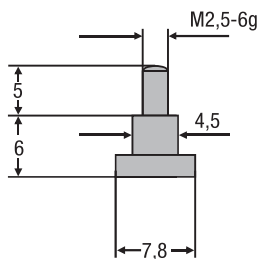
		Material contact surface	Length mm	Ball diameter mm	Order no.	List price EUR
		Special steel	18	7	0710 181	6.80
		Special steel	18	7.5	0710 182	6.80
		Special steel	18	8	0710 183	6.80
		Special steel	18	8.5	0710 184	6.80
		Special steel	18	9	0710 185	6.80
		Special steel	18	9.5	0710 186	6.80
		Special steel	18	10	0710 187	6.80
		Special steel	18	10.5	0710 188	6.80
		Special steel	18	11	0710 189	6.80



		Material contact surface	Length mm	Order no.	List price EUR
With locknut					
		Special steel	16	0710 192	7.20
		Carbide	16	0710 292	51.00



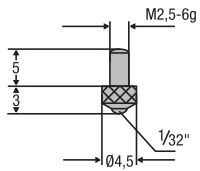
		Material contact surface	Length mm	Order no.	List price EUR
		Special steel	10	0710 193	3.60



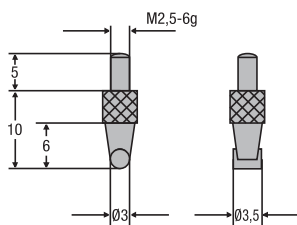
		Material contact surface	Length mm	Order no.	List price EUR
		Special steel	6	0710 194	4.90



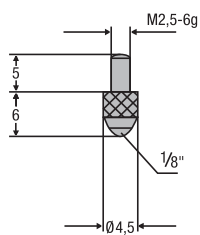
0710 Measuring inserts M 2.5



		Material contact surface	Length mm	Order no.	List price EUR
		Special steel	3	0710 195	1.10



		Material contact surface	Length mm	Diameter	Order no.	List price EUR
		Special steel	10	3 x 3,5 mm	0710 196	7.90



		Material contact surface	Length mm	Order no.	List price EUR
		Special steel	6	0710 197	1.10
		Carbide	6	0710 297	4.70
		Ruby	6	0710 397	6.40
		Sapphire	6	0710 497	6.40



0715 Dial test indicators



0715 101



0715 201

Model

- Carbide tipped measuring inserts, Ø 2.0 mm
- Form A in accordance to DIN 2270
- Revolving dial
- 3-piece swallow tail guide
- Automatic reversal of the counting direction
- Measuring force 0.15 N

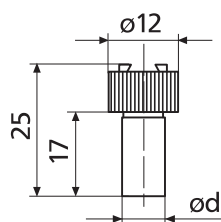
Delivery

- Fitted case

DIN
2270

☒	☒	Measuring range mm	Scale graduation value mm	Range per rev. mm	Stylus length mm	Dial reading	Outer ring (Bezel) Ø mm	Order no.	List price EUR
		± 0.4	0.01	0.8	14.5	0-40-0	30	0715 101	80.00
		± 0.4	0.01	0.8	14.5	0-40-0	40.5	0715 103	90.00
		± 0.25	0.01	0.5	41.2	0-25-0	30	0715 201	126.00
		± 0.1	0.002	0.2	14.5	0-100-0	40.5	0715 303	113.00
		± 0.1	0.002	0.2	14.5	0-100-0	30	0715 305	107.00
		± 0.5	0.01	0.5	32.3	0-50-0	40.5	0715 307	160.00

0715 Clamping shanks for dial test indicators

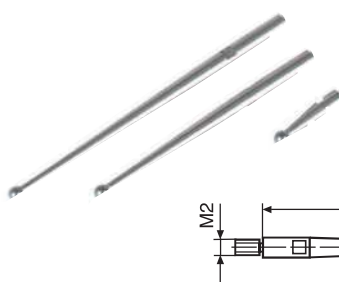


Model

- With swallow tail mounting for dial test indicators and clamping nut

☒	☒	Diameter	Order no.	List price EUR
		4h6	0715 903	12.10
		8h6	0715 907	12.10

0715 Measuring inserts with carbide ball



☒	☒	Length mm	Ball diameter mm	Order no.	List price EUR
		14.5	1	0715 915	16.90
		14.5	2	0715 917	13.30
		14.5	3	0715 919	13.30
		32.3	1	0715 921	18.70
		32.3	2	0715 922	14.10
		32.3	3	0715 923	14.00
		41.2	1	0715 925	17.10
		41.2	2	0715 926	13.30
		41.2	3	0715 929	13.30



0716 Dial depth gauges with a measuring base



0716 101



0716 111

Model

- Measuring base is made of stainless steel, hardened
- Replacement probe tip M 2.5
- Revolving dial
- Factory standard

Delivery

- Cardboard box

		Measuring range mm	Reading mm	Contact surface mm	Range per rev. mm	Scale dia. mm	Order no.	List price EUR
		0 - 10	0.01	100 x 15	1	58	0716 101	140.00
		Concentric pointer						
		0 - 30	0.01	150 x 15	1	58	0716 102	204.00
		0 - 30	0.01	100 x 15	1	58	0716 105	183.00
		Prismatic base						
		0 - 30	0.01	for dia. 10 - 100	1	58	0716 111	270.00

0716 Depth measuring base for indicators



0716 192

Model

- Special steel, chrome plated
- Mounting for indicator Ø 8 mm

Delivery

- Cardboard box

		Contact surface mm x mm	Order no.	List price EUR
		80 x 15	0716 192	59.00
		100 x 15	0716 194	73.00
		150 x 15	0716 196	94.00
		Prismatic bridge		
		for dia. 10 - 100	0716 198	125.00



0718 Dial thickness gauges



0718 101



0718 112

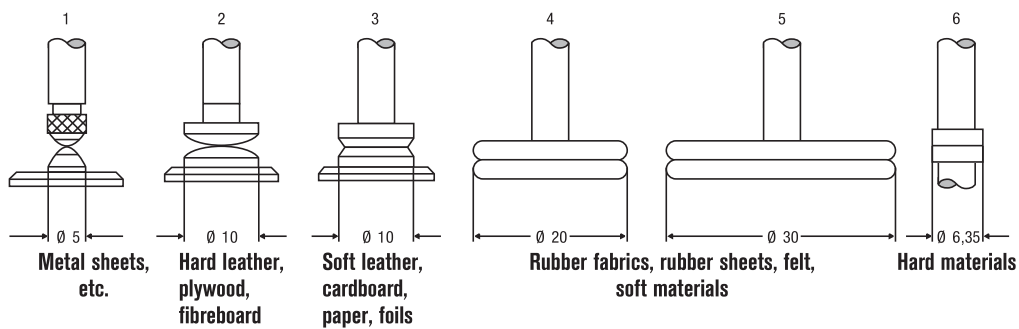


Model

- Frame is made of aluminium alloy
- Factory standard
- When ordering please specify the gauge form

Delivery

- Cardboard box



Measuring range mm	Reading mm	Frame depth mm	Probe type	Order no.	List price EUR
0 - 10	0.1	15	1 / 2 / 3 / 6	0718 101	51.00
0 - 20	0.1	50	1 - 5	0718 104	106.00
0 - 30	0.1	50	1 - 5	0718 105	120.00
0 - 50	0.1	50	1 - 5	0718 106	182.00
With a lifting device and stand, range per revolution 10 mm					
0 - 30	0.1	200	1 - 5	0718 108	156.00
0 - 30	0.1	300	1 - 5	0718 109	179.00
0 - 30	0.1	400	1 - 5	0718 110	200.00
With a lifting wheel and concentric pointers, range per revolution 1 mm					
0 - 10	0.01	18	1 / 2 / 3 / 6	0718 112	101.00
0 - 10	0.01	45	1 / 2 / 3 / 6	0718 113	116.00
With a lifting device, range per revolution 1 mm					
0 - 10	0.01	50	1 - 5	0718 115	120.00



0720 Dial thickness gauges



0720 102



0720 103

3


Model

- With a lifting device
- Factory standard
- Frame is made of alluminium alloy
- Revolution counter

- **Order No. 0720 102**
Tube wall thickness dial gauge
with 2 exchangeable probes
- with bund radius = 10 mm,
dia. 8 mm
- cylindrical dia. 6 mm
- **Order No. 0720 103**
Foil thickness measuring
gauge, measuring insert
dia. 6.35 mm, flat, thermally
insulated

Delivery

- Cardboard box

	Measuring range mm	Reading mm	Range per rev. mm	Throat depth mm	Order no.	List price EUR
Tube wall thickness dial gauge						
	0 - 10	0.01	1	50	0720 102	159.00
Foil thickness dial gauge						
	0 - 1	0.001	0.2	30	0720 103	227.00



0721 Internal caliper gauges



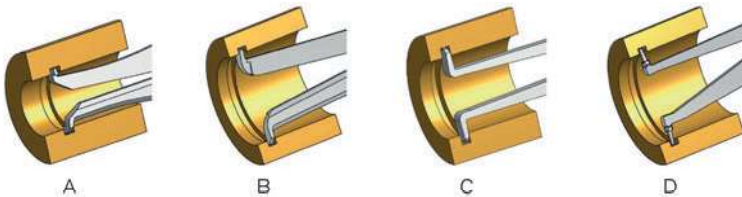
0721 120



Model

- Protection class IP65

Delivery

- Cardboard box



		Measuring range	Measuring depth	Reading	Error limit	For grooves		Order no.	List price
		mm	mm	mm	mm	max. depth mm	min. width mm		
Contact point type „A“, cutting (chisel) radius 0.1 mm									
		2.5 - 12.5	12	0.005	0.015	0.7	0.6	0721 100	512.00
Contact point type „B“, carbide ball Ø 0.6 mm									
		5 - 15	35	0.005	0.015	2.2	0.8	0721 101	512.00
Contact point type „B“, carbide ball Ø 1.0 mm									
		10 - 30	85	0.01	0.03	5.2	1.2	0721 120	530.00
Contact point type „C“, carbide ball Ø 1.0 mm									
		20 - 40	85	0.01	0.03	7.0	1.2	0721 121	530.00
		30 - 50	85	0.01	0.03	7.0	1.2	0721 122	530.00
Contact point type „D“, carbide ball Ø 1.0 mm									
		40 - 60	85	0.01	0.03	8.3	1.2	0721 123	530.00
		50 - 70	85	0.01	0.03	8.3	1.2	0721 124	548.00
		60 - 80	85	0.01	0.03	8.3	1.2	0721 125	548.00
		70 - 90	85	0.01	0.03	8.3	1.2	0721 126	548.00
		80 - 100	85	0.01	0.03	8.3	1.2	0721 127	548.00



0721 External caliper gauges



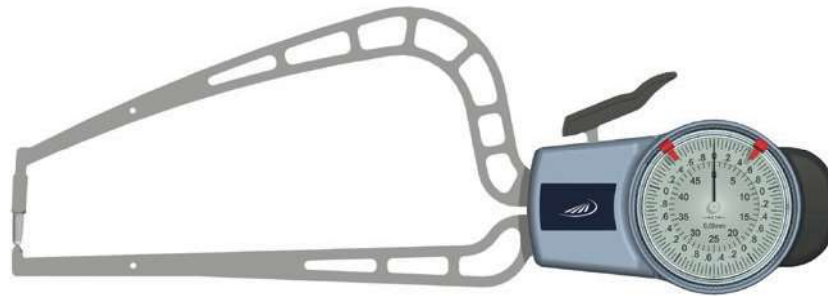
0721 144

Model

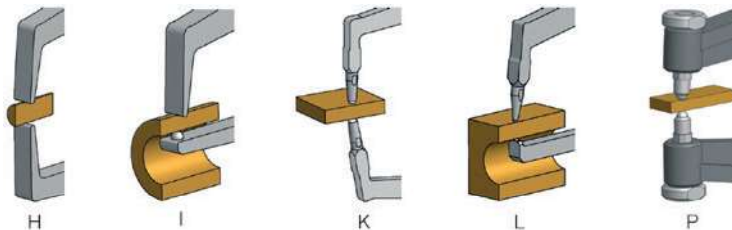
- Protection class IP65



Delivery

- Cardboard box



0721 149



		Measuring range	Measuring depth	Reading	Error limit	Contact point length		Order no.	List price
		mm	mm	mm	mm	moving mm	fixed mm		EUR
Contact point type „P“, carbide ball Ø 5.0 mm									
		0 - 10	36	0.1	0.1	5	5	0721 140	145.00
Contact point type „H“, cutting (chisel) radius 0.4 mm									
		0 - 10	35	0.005	0.015	18.8	18.8	0721 141	512.00
Contact point type „I“, fixed arm, carbide ball Ø 1.5 mm, moving arm, cutting (chisel) radius 0.4 mm									
		0 - 10	35	0.005	0.015	18.8	0.9	0721 142	512.00
Contact point type „K“, carbide ball Ø 1.5 mm									
		0 - 10	35	0.005	0.015	19.1	18.6	0721 143	512.00
		0 - 20	85	0.01	0.03	24.7	24.6	0721 144	512.00
Contact point „L“, carbide ball Ø 1.5 mm, 1 straight probe arm									
		0 - 20	80	0.01	0.03	24.7	2.5	0721 145	512.00
Contact point type „K“, carbide ball Ø 3.0 mm									
		0 - 50	167	0.05	0.05	30	30	0721 148	779.00
Contact point „L“, carbide ball Ø 3.0 mm, 1 straight probe arm									
		0 - 50	169	0.05	0.05	30	4.3	0721 149	779.00



0721 Digital internal caliper gauges



0721 732



0721 738

Model

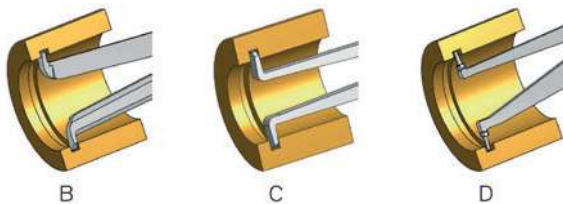
- Protection class IP67

Functions

- ON / OFF
- Set to zero at any point
- mm / inch switching
- PRESET-Function (setting a numerical value)
- TOL (tolerance value input)
- Data output

Delivery


- Cardboard box



B

C

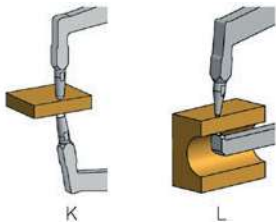
D

✕		Measuring range	Measuring depth	Reading	Error limit	For grooves		Order no.	List price
		mm	mm	mm	mm	max. depth mm	min. width mm		EUR
Contact point type „B“, carbide ball Ø 0.6 mm									
		5 - 15	35	0.005	0.015	2.3	0.8	0721 731	548.00
Contact point type „C“, carbide ball Ø 1.0 mm									
		10 - 30	85	0.01	0.03	5.2	1.2	0721 732	548.00
		20 - 40	85	0.01	0.03	7	1.2	0721 733	548.00
		30 - 50	85	0.01	0.03	7	1.2	0721 734	548.00
Contact point type „C“, carbide ball Ø 1.3 mm									
		13 - 43	127	0.02	0.04	5.7	1.6	0721 738	698.00
Contact point type „D“, carbide ball Ø 2.0 mm									
		50 - 80	132	0.02	0.04	8.3	2.4	0721 739	698.00
Contact point type „C“, carbide ball Ø 1.5 mm									
		15 - 65	188	0.02	0.06	5.5	1.9	0721 740	964.00

0721 Digital external caliper gauges



0721 745



Functions

- ON / OFF
- Set to zero at any point
- mm / inch switching
- PRESET-Function (setting a numerical value)

- ABS (display can be set to zero without losing the Preset value)
- TOL (tolerance value input)
- Data output

Delivery

- Cardboard box

Icon	Measuring range	Measuring depth	Reading	Error limit	Contact point length mm		Order no.	List price
					moving	fixed		
	mm	mm	mm	mm				EUR
Contact point type „K“, carbide ball Ø 1.5 mm								
	0 - 20	85	0.01	0.03	24.7	24.6	0721 741	548.00
Contact point type „K“, carbide ball Ø 3.0 mm								
	0 - 30	116	0.02	0.04	30	30	0721 745	698.00
	0 - 50	167	0.02	0.06	30	30	0721 747	964.00
Contact point „L“, carbide ball Ø 3.0 mm, straight lower probe arm								
	0 - 30	116	0.02	0.04	30	4	0721 746	698.00

0721 Accessories for caliper gauges



0721 785

Icon	Description	Order no.	List price
			EUR
	Data interface (adapter and cable) for Digimatic*	0721 785	146.00
	Data interface (adapter and cable) for USB*	0721 786	146.00

When placing an order, please specify the order no. and the type of the caliper gauge.



0728 Internal precision bore gauges for large and deep bores



Model

- 2 point comparator measuring instrument with split probe + measuring pin
- Centering plate
- Mounting hole Ø 8 mm
- Ideal in conjunction with dial gauges or dial comparator gauges

Delivery

- Wooden case
- Without dial gauge



Measuring range	Repeatability	Measuring depth	Measuring pins	Measuring discs	Order no.	List price
mm	µm	mm	pcs	pcs		EUR
Fixed measuring pins, hardened special steel, interchangeable contact pins are carbide tipped						
18 - 35	0.5	110	9	2	0728 105	395.00
35 - 60	0.5	138	7	2	0728 106	384.00
50 - 100	0.5	177	11	3	0728 107	439.00
100 - 160	0.5	234	7	4	0728 108	612.00
160 - 290	0.5	234	7	4	0728 109	883.00
280 - 510	1.5	400	7	4	0728 110	2084.00
Fixed measuring pins and interchangeable contact pins, both pins are carbide tipped						
4.5 - 6	0.5	80	9		0728 201	1007.00
6 - 8	0.5	100	7		0728 202	720.00
8 - 12	0.5	100	9		0728 203	671.00
12 - 20	0.5	110	9	1	0728 204	466.00
18 - 35	0.5	110	9	2	0728 205	471.00
35 - 60	0.5	138	7	2	0728 206	449.00
50 - 100	0.5	177	11	3	0728 207	525.00
100 - 160	0.5	234	7	4	0728 208	683.00
160 - 290	0.5	234	7	4	0728 209	904.00
280 - 510	1.5	400	7	4	0728 210	2133.00

0728 Setting device for internal precision bore gauges



Model

- Setting device for accurate adjustment of internal precision bore gauges to the required nominal dimension, with gauge blocks
- The setting jaws are made of carbide and are lapped to gauge block quality
- Setting device can be used in both, the vertical and horizontal measuring axis

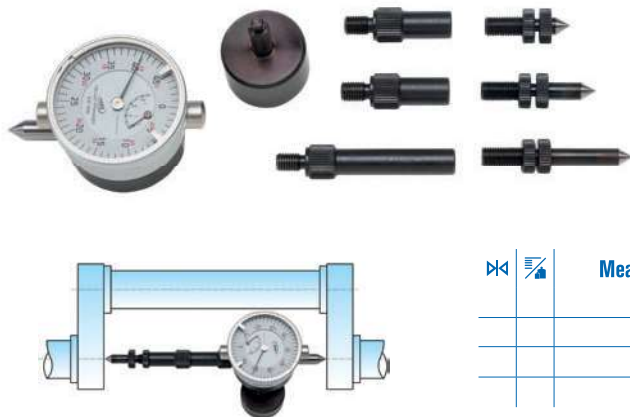
Delivery

- Wooden case
- Incl. stand (excludes gauge blocks)

For measuring range	Error limit	Order no.	List price
mm	µm		EUR
4.5 - 160	2	0728 910	1245.00
18 - 290	2	0728 915	1234.00
160 - 510	2	0728 920	1786.00



0735 Crankshaft gauges



Model

- With dial gauge
- To be positioned between 2 crank arms
- Centre punch is not required
- Horizontal position of the dial gauge is assured with a plumb bob

Delivery

- Wooden case

	Measuring range mm	Reading mm	Order no.	List price EUR
	45 - 150	0.01	0735 101	408.00
	60 - 300	0.01	0735 102	368.00
	60 - 500	0.01	0735 103	427.00

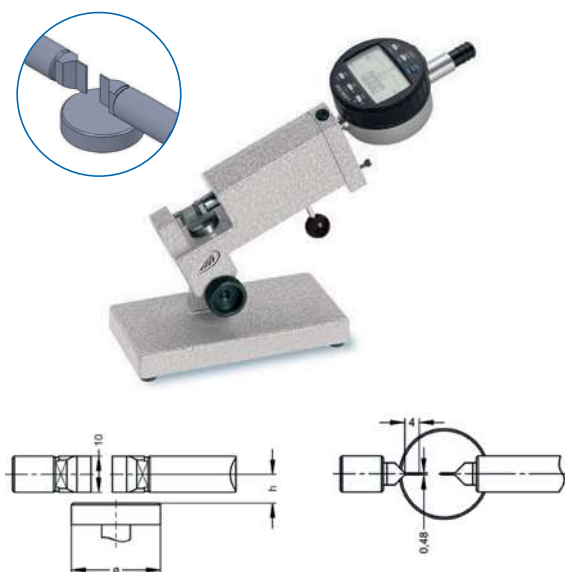
0735 Replacement gauge for 0735

Model

- Without backplate

	Order no.	List price EUR
For measuring range 45 - 150 mm		
	0735 901	225.00
For measuring range 60 - 300 / 60 - 500 mm		
	0735 902	187.00

0736 Length measuring instruments for external incisions



Model

- Ideal for serial measurements of incision diameters on turned parts
- Narrow measuring faces
- High precision ball guide of the transmission bolt
- Round support table, height adjustable, clamped for setting the exact measuring position
- Heavy stand
- Base unit in the angular grid 0° / 30° / 60° / 90°
- Titled and clamped
- Support for indicators with shaft Ø 8 mm
- Display devices: analogue and digital indicators

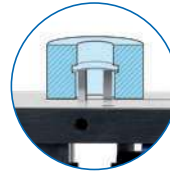
Delivery

- Cardboard box
- Without digital indicator (optional)

	Measuring range mm	Size of table mm	Height h mm	Order no.	List price EUR
	0 - 10	25	8	0736 101	942.00
	0 - 25	38	13	0736 102	1016.00
	25 - 50	50	35	0736 103	1088.00



0737 Length measuring instrument for internal incisions



Model

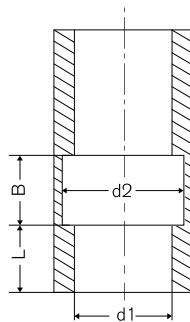
- Ideal for serial measurements of internal incision diameters
- High precision probe guidance with a constant measuring force
- Adjust the height with a gauge block
- Set the diameter with a setting ring
- Measuring table plate size 110 x 73 mm
- Mounting hole \varnothing 8 mm
- Ideal for analogue and digital dial gauges as well as electronic probes
- Optional angled probes made of hardened steel

Delivery

- Cardboard box
- Without indicator (optional)
- Without pair of measuring probes (optional)

		Measuring range internal mm	Size of table mm	Order no.	List price EUR
		4 - 56	110 x 73 mm	0737 101	917.00

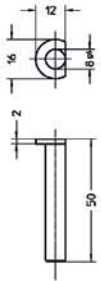
0737 Measuring probes (pair) made of hardened steel for 0737



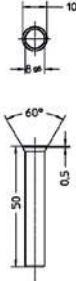
		For bore dia. „d1“ mm	Adjustable mess. height „L“ mm	Min. groove width „B“ mm	Max. incision dia. „d2“ mm	Order no.	List price EUR
		4 - 28	0 - 8	0.74	d1 + 2 mm	0737 121	91.00
		6.5 - 30	0 - 10	1.00	d1 + 4 mm	0737 122	91.00
		13 - 38	0 - 18	1.20	d1 + 2 mm	0737 123	91.00
		20.5 - 51	0 - 25	1.20	d1 + 4 mm	0737 124	91.00



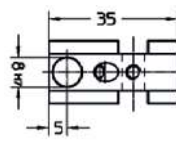
0739 Universal comparator gauge



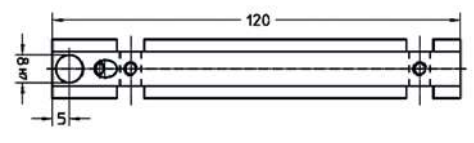
0739 124



0739 126



0739 164



0739 165

Model

- To determine internal and external diameters of recesses, grooves and undercuts in comparison measurement
- Measurement procedure: The part to be measured is determined at the point of reversal between a fixed and moveable measuring insert
- Select either an analogue or digital indicator to show your measuring results
- Sturdy construction
- Simple to set up and easy to operate
- Large range of application
- Ideal for serial measurements
- Optional: Special supporting table is interchangeable
- Repeatability: 2 μm
- Mounting hole for a dial gauge: $\varnothing 8 \text{ mm}$

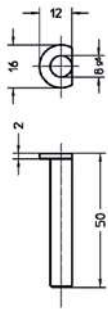
Delivery

- Without digital indicator (optional)
- Incl. pair of measuring inserts 0739 126 and 0739 124
- Incl. holder for measuring inserts 0739 164 and 0739 165
- In a practical aluminium case

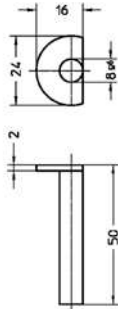
	Measuring range		Base dimensions	Order no.	List price
	external mm	internal mm	mm		EUR
	0 - 180	21 - 200	150 x 150 x 68	0739 102	1780.00



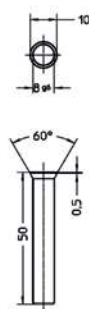
0739 Measuring probes



0739 124



0739 125

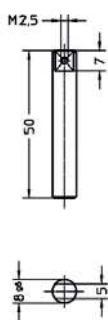


0739 126

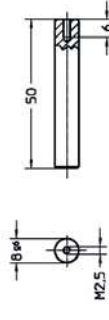
	Description	Order no.	List price EUR
▶	Probe pair	0739 124	107.00
▶	Probe pair	0739 125	111.00
▶	Probe pair	0739 126	64.00
▶	Pair of probe holder	0739 127*	102.00
▶	Pair of probe holder	0739 128*	64.00
▶	Pair of probe holder	0739 129*	123.00
▶	Probe pair	0739 130	103.00
▶	Small probe pair	0739 131**	111.00
▶	Holder pair for 0739131	0739 132	148.00

* For further information regarding probes order no. 0739 127 to 0739 129 see order no. 0710 starting on page 137

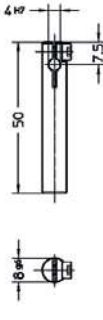
** Required holder order no. 0739 132



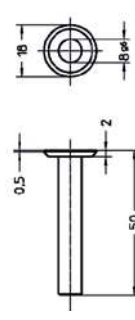
0739 127



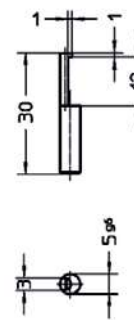
0739 128



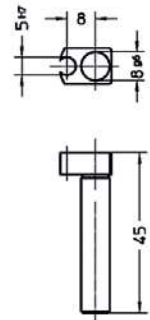
0739 129



0739 130

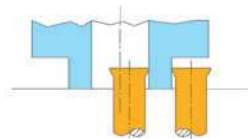


0739 131

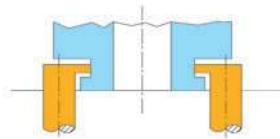


0739 132

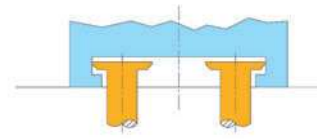
Application examples:



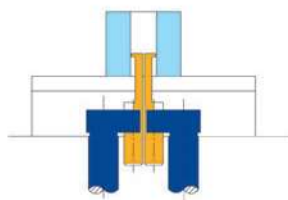
0739 126



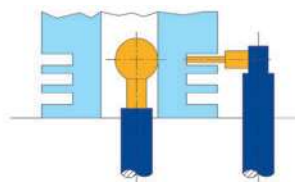
0739 124



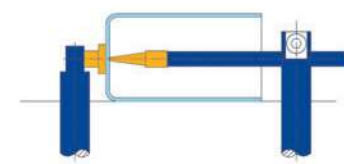
0739 130



0739 131



0739 127*



0739 129*

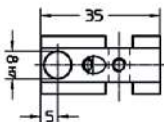
0739 132

0739 128*

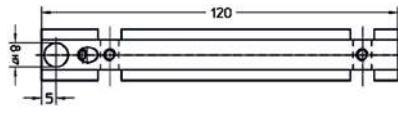
0739 129*



0739 Holder for measuring inserts short / long



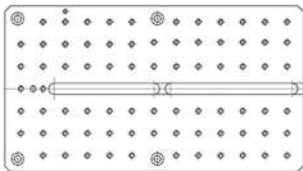
0739 164



0739 165

	Description	Length mm	Order no.	List price EUR
	Holder, short	35	0739 164	38.60
	Holder, long	120	0739 165	47.60

0739 Large supporting table



Model

- Made of special steel with wear resistant surface coating
- Equipped with thread bore M5 in grid to attach stop elements
- Internal measurement: 21 - 220 mm
- External measurement: 0 - 300 mm

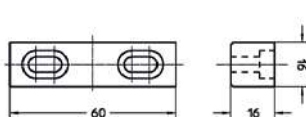
Delivery

- With leg support to screw

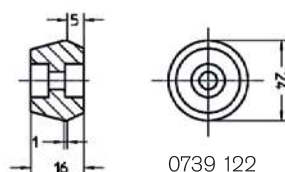
	Size of table mm	Order no.	List price EUR
	269 x 149	0739 170	279.00

0739 Stop pieces

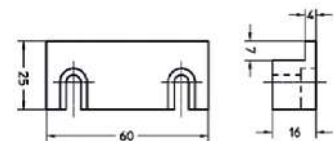
	Description	Length mm	Width mm	Diameter mm	Dimensions h mm	Order no.	List price EUR
	Stop cuboid	60	16		16	0739 121	91.00
	Stop disc			24	16	0739 122	103.00
	Stop stepped cuboid	60	25		16	0739 123	94.00



0739 121

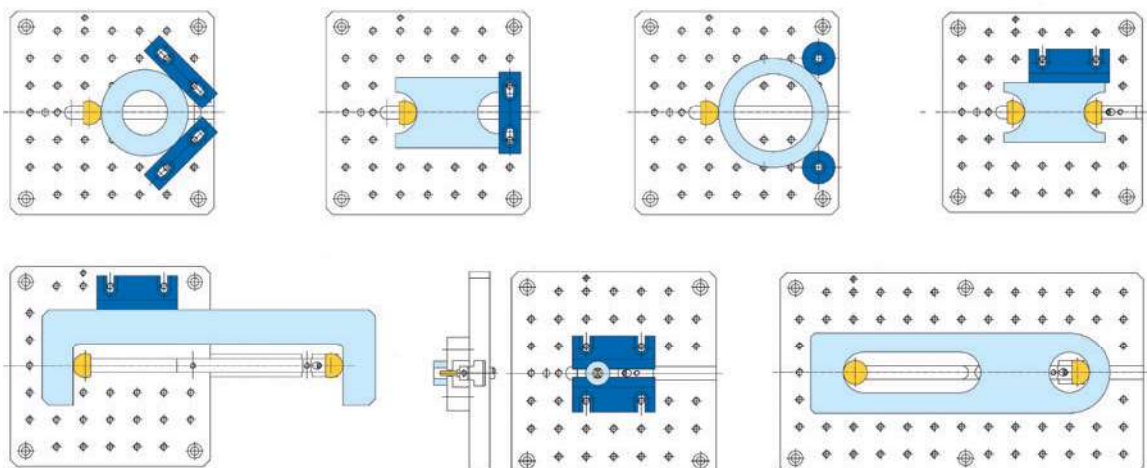


0739 122



0739 123

Application examples:





0741 Universal comparator gauge UHRTAST





0741 Comparator gauge UHRTAST



Model

- Comparator gauge for **external and internal measurements** for checking workpieces and setting of machines
- Versatile in use due to wide range of probes and inserts
- Measuring range up to 2000 mm by using optional extensions
- Without indicator
- The direction of the measuring force can be switched, the gauge can be used for external and internal measurements
- The adjustment can be conducted with a setting gauge, a combination of gauge blocks, setting ring or a micrometer
- The measuring range of the moveable measuring arm is 18 mm

Delivery

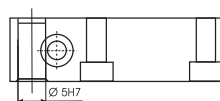
- Wooden case
- Basic instrument without digital indicator, measuring arms and measuring probes (optional)



Product
video

	Measuring range		Measuring forces	Order no.	List price
	external mm	internal mm	N		EUR
	5 - 220	15 - 230	external: ~6 N internal: ~4 N	0741 101	1862.00

0741 Pair of probe mounting block



	Order no.	List price
		EUR
	0741 170	171.00

0741 Extensions



Model

- Combinable with the basic instrument and further extensions by sticking together the pipe construction



0741 112



0741 114

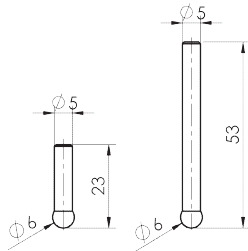
	Length mm	Order no.	List price EUR
	100	0741 112	259.00
	200	0741 114	275.00
	500	0741 116	420.00



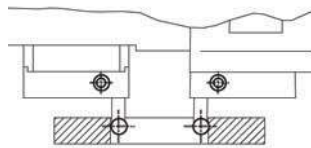
0741 Measuring inserts



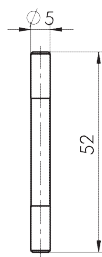
0741 178



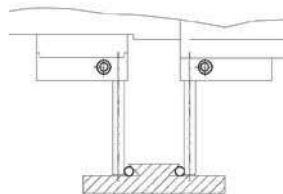
	Length mm	Diameter mm	Order no.	List price EUR
	23	6	0741 178	115.00
	53	6	0741 179	115.00



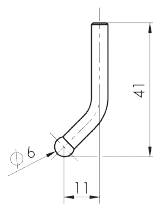
0741 Measuring inserts



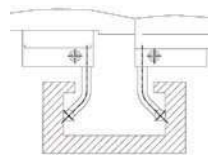
	Length mm	Diameter mm	Order no.	List price EUR
	52	5	0741 180	115.00



0741 Pair of offset measuring inserts



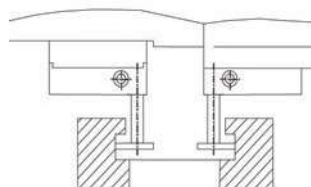
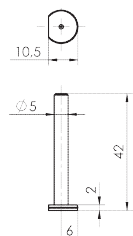
	Length mm	Diameter mm	Order no.	List price EUR
	41	6	0741 182	191.00



0741 Pair of measuring inserts with discs

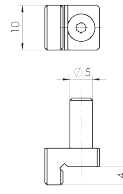
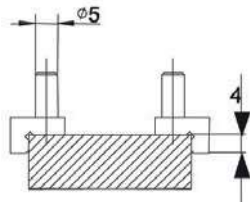


	Length mm	Width mm	Diameter mm	Dimensions h mm	Order no.	List price EUR
	42	10.5	12	2	0741 176	115.00





0741 Measuring inserts

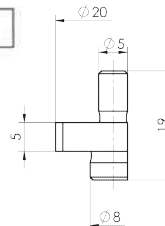
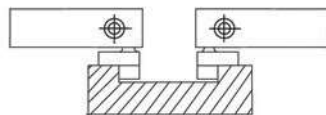


Model

- For measuring external central points

		Order no.	List price EUR
		0741 172	204.00

0741 Pair of shoulder measuring inserts

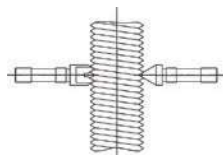
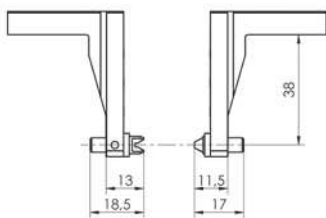


Model

- For measuring internal central points

		Order no.	List price EUR
		0741 174	167.00

0741 Pairs of thread measuring inserts for metric external thread

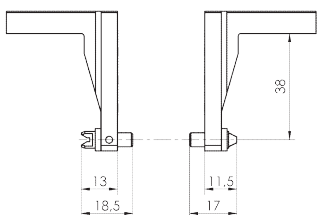


Model

- Thread measuring inserts for external thread, metric pitch, in pairs

		Thread pitch mm	Order no.	List price EUR
		0.35	0741 140	192.00
		0.4 - 0.45	0741 141	108.00
		0.5 - 0.6	0741 142	108.00
		0.7 - 0.8	0741 143	108.00
		1.0 - 1.25	0741 144	108.00
		1.5 - 1.75	0741 145	108.00
		2.0 - 2.5	0741 146	108.00
		3.0 - 3.5	0741 147	108.00
		4.0 - 5.0	0741 148	108.00
		5.5 - 6.0	0741 149	108.00

0741 Pairs of thread measuring inserts for metric internal thread



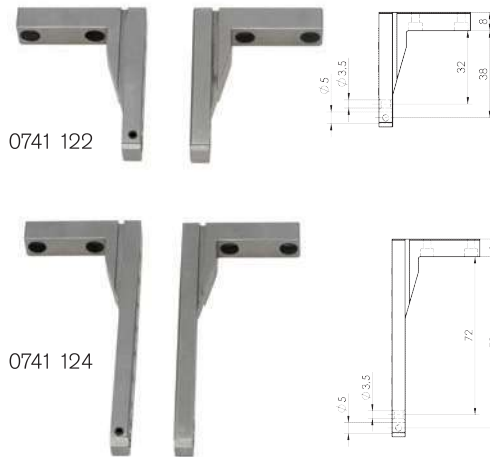
Model

- Thread measuring inserts for internal thread, metric pitch, in pairs

		Thread pitch mm	Order no.	List price EUR
		1.0 - 1.25	0741 163	219.00
		1.5 - 1.75	0741 164	219.00
		2.0 - 2.5	0741 165	219.00
		3.0 - 3.5	0741 166	219.00
		4.0 - 5.0	0741 167	219.00
		5.5 - 6.0	0741 168	219.00



0741 Pairs of measuring arms



Model

- For mounting of adapter pieces and inserts with shaft-Ø 3.5 mm and Ø 5 mm
- With lasered help rule (mm-divide) as position help for the depth stop pieces

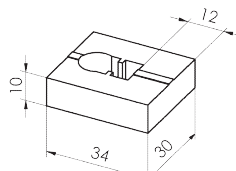
	Length mm	Order no.	List price EUR
✂	40	0741 122	270.00
✂	80	0741 124	324.00

0741 Pair of depth stop attachment for measuring arms



Model

- To slide on measuring arms
- Can be clamped with grub screw



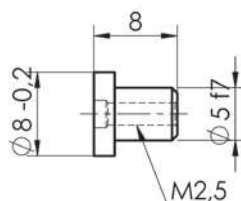
	Length mm	Width mm	Height mm	Order no.	List price EUR
✂	34	30	10	0741 136	251.00

0741 Pair of adapters 5 mm for measuring inserts M2.5



Model

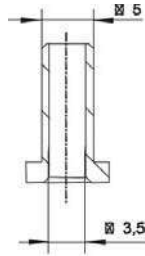
- All measuring inserts for dial gauges with M2.5 can be used (measuring inserts please refer to pages 137-140)



	Order no.	List price EUR
✂	0741 132	88.00



0741 Pair of adapters for thread measuring inserts (pair)



Model

- Pair of adapters for thread measuring inserts with long shanks (length 13.5 mm)
Adapters are not required for measuring inserts with short shanks

		Order no.	List price EUR
		0741 134	152.00

0741 Measuring table



Model

- Consisting of:
Supporting table ø 180 mm
Measuring probe
Mounting stands

Delivery

- Cardboard box

		Size of table mm	Order no.	List price EUR
		Ø 180	0741 184	649.00



0753 Universal indicator stands with magnetic base



0753 110



0753 120

Model

- Chrome finished columns
- Base with V-groove
- Magnet with ON/OFF switch
- Mounting clamp: Ø 8 mm for indicators
- Integrated fine adjustment

Delivery

- Cardboard box

		Projection	Column height	Column dia.	Arm dia.	Base dimensions	Magnetic force	Order no.	List price
		mm	mm	mm	mm	mm	N		EUR
		140	230	16	12	60 x 50 x 55	500	0753 110	24.90
		180	285	16	16	70 x 46 x 65	600	0753 120	61.00



0750 Universal indicator stands with magnetic base and combi clamp



0750 101



Model

- Chrome plated columns
- Base with V-groove
- Magnet with ON/OFF switch
- **Combi clamp:** Ø 8 mm for dial gauges, swallow tail clamp for dial test indicators
- Integrated fine adjustment

Delivery

- Cardboard box

Accessories

	Order no.	List price EUR
Replacement crosshead complete	0750 113	42.00
Wooden case for magnet - measuring support	0750 601	25.10

Projection mm	Column height mm	Column dia. mm	Arm dia. mm	Base dimensions mm	Magnetic force N	Order no.	List price EUR
Crosshead clamp							
180	285	16	16	70 x 46 x 65	600	0750 101	140.00
180	500	20	16	75 x 60 x 102	800	0750 102	187.00

0750 Pillar with transverse arm and fine adjustment



Model

- Chrome plated column and transverse arm
- Mounting for indicator:
 - shank mounting Ø 8 mm for dial gauges
 - swallow tail clamp for dial test indicators
- Integrated fine adjustment

Thread	Projection mm	Column height mm	Column dia. mm	Arm dia. mm	Description	Order no.	List price EUR
M10	180	285	16	16	for 0750 101	0750 121	85.00
M12	180	500	20	16	for 0750 102	0750 122	96.00

0750 Magnetic base



0750 111

Model

- Magnetic base with V-groove
- Cling to flat and cylindric parts
- Magnetic force can be switched On / Off by rotary switch

Thread	Base dimensions mm	Magnetic force N	Order no.	List price EUR
M10	70 x 46 x 65	600	0750 111	59.00
M12	75 x 60 x 80	800	0750 112	109.00



0751 Magnetic indicator stands with flexible arm



0751 103



0751 104

Model

▪ 0751 103:

- with flexible arm
- holding force by rope tension on hinge segments
- switch magnetic base

▪ 0751 104:

- fixed column
- with fine adjustment
- flexible transverse arm
- switch magnetic base

Delivery

- Cardboard box

	Column height mm	Column dia. mm	Base dimensions mm	Magnetic force N	Order no.	List price EUR
Heavy duty stand						
	350	-	70 x 45 x 65	600	0751 103	118.00
Clamping via. the star knob screw						
	350	16	70 x 45 x 65	600	0751 104	138.00

0754 Universal magnetic holder



Model

- Magnetic base with V-groove
- With mounting hole Ø 8 mm
- Three-sided magnet

Delivery

- Cardboard box

	Max. height mm	Base dimensions mm	Magnetic force N	Order no.	List price EUR
	57	70 x 35	260	0754 101	99.00



0752 Magnetic indicator stands with central lock



0752 101



0752 103

Model

- Column / Arm:
 - 0752 101 steel, chrome finished
 - 0752 103 aluminium, anodized
- Switch magnetic base with V-groove
- Central magnetic clamping system

- **Combi clamp:** Ø 8 mm for dial gauges, swallow tail clamp for dial test indicators
- Integrated fine adjustment

Delivery

- Cardboard box

Projection	Column height	Column dia.	Base dimensions	Magnetic force	Order no.	List price
mm	mm	mm	mm	N		EUR
260	310	10	70 x 46 x 65	600	0752 101	144.00
320	370	18	70 x 46 x 65	600	0752 103	184.00

0756 Universal magnetic holder



Model

- Cast iron base with two magnets on the bottom of the holder
- With mounting hole Ø 8 mm

Delivery

- Cardboard box

Max. height	Base dimensions	Magnetic force	Order no.	List price
mm	mm	N		EUR
45	72 x 37	180	0756 101	59.00



0770 Compact measuring stands



0770 102



0770 103



0770 201

Model

- Cast base
- Chrome finished columns
- Hardened steel table
- With dust grooves (Order No. 0770 102 non-stop plane)
- With mounting hole for dial gauges Ø 8 mm

Delivery

- Cardboard box

		Measuring height mm	Projection mm	Size of table mm	Column dia. mm	Arm dia. mm	Order no.	List price EUR
With fixed arm								
		100	49	Ø 50	22	-	0770 102	176.00
		100	49	60 x 68	22	-	0770 103	223.00
With adjustable transverse arm								
		100	100	60 x 68	22	18	0770 201	225.00
		150	135	98 x 115	28	20	0770 205	349.00

0772 Measuring stand



Model

- Cast base
- Hardened steel table
- With dust grooves
- With a threaded column and an adjustable transverse arm
- With mounting hole for dial gauges Ø 8 mm

Delivery

- Cardboard box

☞	☞	Measuring height	Projection	Size of table	Column dia.	Arm dia.	Order no.	List price
		mm	mm	mm	mm	mm		EUR
		160	200	170 x 215	35	22	0772 024	759.00

0785 Precision measuring stands



Model

- Base made of hard stone
- Base plate accuracy according to DIN 876-00
- With a threaded column
- With adjustable transverse arm
- With mounting hole for dial gauges Ø 8 mm
- Vertical adjustment by threaded spindle with setting ring

Delivery

- Cardboard box

☞	☞	Measuring height	Projection	Size of table	Column dia.	Arm dia.	Order no.	List price
		mm	mm	mm	mm	mm		EUR
		200	200	150 x 260	35	22	0785 108	639.00
	▪	220	220	300 x 350	35	22	0785 109	1565.00
		Anti-twist (secured against rotation) transverse arm						
	▪	220	220	300 x 350	35	22	0785 110	1800.00



0763 Universal measuring support



Model

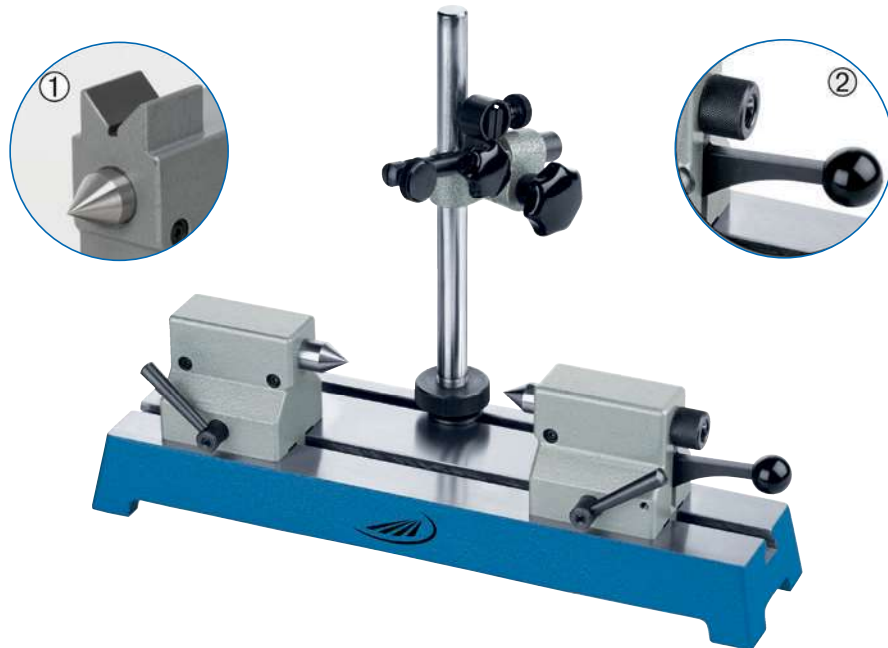
- Column and transverse arm chrome plated
- Column is moving and can be clamped in the T-groove
- Heavy base plate with prismatic base and T-groove
- Mounting for display devices:
 - support for indicators with shaft Ø 8 mm, swallow tail clamp for dial test indicators
- Integrated fine adjustment

Delivery

- Cardboard box

✕	🏠	Projection	Column height	Column dia.	Arm dia.	Base dimensions	Order no.	List price
		mm	mm	mm	mm	mm		EUR
		180	300	16	16	250 x 60 x 35	0763 100	279.00

0780 Bench centres



Model

- Finely ground surface, flatness tolerance according to DIN 876-2
- With two adjustable tailstocks
- Left tailstock with fixed centre
- Right tailstock with retractable spring mounted centre, free lift appr. 10 mm

Delivery

- Tailstocks can be clamped via an eccentric clamp
- Tailstock height 75 mm with integrated V-groove support
- Quick-clamping device by clamping lever
- With T-groove and support column
- With mounting hole for dial gauges Ø 8 mm
- Cardboard box

Height of centers	Workpiece load	Distance between centres	Center dia.	T-groove width	Base	Order no.	List price
mm	p. tailstock max. kg	mm	mm	mm	mm		EUR
50	5	200	16	10H7	350 x 110	0780 101	605.00
50	5	350	16	10H7	500 x 110	0780 102	768.00
75	5	200	16	10H7	350 x 110	0780 104*	692.00
75	5	350	16	10H7	500 x 110	0780 105*	788.00
▪ 100	20	450	22	12H7	700 x 180	0780 107	1984.00
▪ 150	20	450	22	12H7	700 x 180	0780 108	2212.00

* With integrated V-groove support on the tailstocks for ø 6 - 24 mm

Accessories

	Order no.	List price
		EUR
Replacement centre, retractable, ø 16 mm (50 - 75 mm)	0780 174	49.00
Replacement centre, fixed, ø 16 mm (50 - 75 mm)	0780 175	39.00
Replacement centre, retractable, ø 22 mm (100 - 150 mm)	0780 177	125.00
Replacement centre, fixed, ø 22 mm (100 - 150 mm)	0780 178	115.00



0780 Bench centres with roller supports



Specification

- Finely ground surface, flatness tolerance according to DIN 876-2
- With two roller supports
- Concentricity tolerance of the rolls 0.005 mm
- Quick-clamping device by clamping lever
- With T-groove and support column
- With mounting hole for dial gauges Ø 8 mm
- Fine adjustment

Delivery

- Cardboard box

	Height of roller supports	T-groove width	Base	Contact surface	Order no.	List price
	mm	mm	mm	mm		EUR
	65	10H7	350 x 110	3 - 30	0780 201	559.00
	65	10H7	500 x 110	3 - 30	0780 202	699.00
	100	12H7	700 x 180	4 - 60	0780 206	1400.00



0780 Bench centres with V-groove supports



3

Specification

- Finely ground surface, flatness tolerance according to DIN 876-2
- With two V-supports
- Quick-clamping device by clamping lever
- Prismatic contact surface 90°
- V-groove surfaces made of hardened steel (replaceable)
- With T-groove and support column
- With mounting hole for dial gauges Ø 8 mm
- Fine adjustment

Delivery

- Cardboard box

Height of V-supports	T-groove width	Base	Contact surface	Order no.	List price
mm	mm	mm	mm		EUR
65	10H7	350 x 110	5 - 25	0780 301	529.00
65	10H7	500 x 110	5 - 25	0780 302	669.00
100	10H7	700 x 180	5 - 50	0780 306	1340.00



0780 Bench centres for heavy workpieces



Model

- Finely ground surface, flatness tolerance according to DIN 876-2
- With two adjustable tailstocks
- Left tailstock with fixed centre
- Right heavy tailstock with moveable, spring mounted centre, free lift appr. 10 mm
- Tighten by hand crank
- Tailstock can be clamped via an eccentric clamp
- Base made of cast iron with T-groove
- Measuring stand with mounting hole for dial gauges Ø 8 mm

Delivery

- Cardboard box

✕	Height of centers	Workpiece load	Distance between centres	Centering tip dia.	T-groove width	Base	Order no.	List price
	mm	p. tailstock max. kg	mm	mm	mm	mm		EUR
▪	100	40	450	22	12	700 x 180	0780 141	2116.00
▪	150	40	450	22	12	700 x 180	0780 142	2395.00

0780 Pair of v-support inserts



Model

- V-support inserts to place in and for testing of shafts without centrebores
- V-support inserts are exchanged for the pointed alignment centre of the tailstocks

✕	For height of centers	Max. workpiece dia.	Contact surface	Order no.	List price
	mm	mm	mm		EUR
	50/75	15	3 - 15	0780 021	88.00
	100	45	8 - 45	0780 023	133.00

0780 Replacement support column



Model

- Column is moving and can be clamped in the T-groove
- Mounting for indicator:
 - shaft mounting Ø 8 mm for dial test indicators
- Integrated fine adjustment

✕	For height of centers	Projection	T-groove width	Column height	Column dia.	Arm dia.	Order no.	List price
	mm	mm		mm	mm	mm		EUR
	50/75	105	10	200	18	14	0780 072	105.00
	100	105	12	240	18	14	0780 073	184.00
	150	105	12	440	18	14	0780 074	212.00



0780 Left tailstocks with a rotating collet chuck



Model

- The left tailstock can be changed because of this specification with a collet chuck
- The collet chuck is rotatable for runout testing
- T-grooves bearing
- Eccentric clamp

Height of centers mm	T-groove width mm	Order no.	List price EUR
For collet chucks type F10 (Ø 1 - 7 mm)			
50	10	0780 001	376.00
75	10	0780 002	417.00
For collet chucks type F14 (Ø 1 - 10 mm)			
100	12	0780 003	649.00

- Collet chucks F10 from 1-7 mm are available upon request
- Collet chucks F14 from 1-10 mm are available upon request

Pair of replacement tailstocks for 0780

Model

- Included in base model 0780
- 75 mm with intergrated V-groove support
- For heavy workpieces with load up to 40 kg on request

Height of centers mm	Workpiece load p. tailstock max. kg	T-groove width mm	Order no.	List price EUR
50	5	10	0780 091	380.00
75	5	10	0780 092	427.00
100	20	12	0780 093	879.00
150	20	12	0780 094	909.00

Pair of V-groove supports for 0780



Model

- For workpieces without centering
- Functional test through applying on e.g. plain lateral surface
- Recognition of form errors
- For exchange of centre supports
- Prismatic contact surface 90°
- V-groove surfaces made of hardened steel (replaceable)
- T-grooves bearing
- Eccentric clamp

Height of centres* mm	Height of V-supports mm	T-groove width mm	Contact surface mm	Order no.	List price EUR
65	65	10	5 - 25	0780 032	162.00
100	100	12	5 - 50	0780 033	231.00

* based on the center of an axis of a shaft Ø 10 mm

Pair of roller supports for 0780



Model

- For exchange of centre supports
- Ball bearing rollers for easy turning of the workpieces
- Concentricity tolerance 0.005 mm

Height of roller supports* mm	T-groove width mm	Contact surface mm	Order no.	List price EUR
65	10	3 - 30	0780 042	193.00
100	12	4 - 60	0780 043	261.00

* based on the center of an axis of a shaft Ø 10 mm



0783 Bench centre



DIN
876-1



Model

- Dark granite work bench
- Flatness tolerance in accordance to DIN 876-1
- Right tailstock with retractable spring mounted centre (quick adjustment lever)
- Left tailstock with fixed centre
- Tailstocks can be adjusted via an eccentric clamp

Delivery

- Wooden handling case
- Included:
 - Work bench
 - Support post
 - 1 pair of tailstocks with pointed alignment centre 60° MK 2

⌂	Height of centers	Workpiece load	Distance between centres	T-groove width	Base	Order no.	List price
	mm	p. tailstock max. kg	mm	mm	mm		EUR
▪	200	24	650	14	1100 x 180	0783 012	3545.00

Accessories	Order no.	List price
		EUR
Pair of pointed alignment centres	0782 181	225.00
Tailstock	0782 191	1172.00
Measuring support	0783 070	296.00

0782 Pair of roller supports



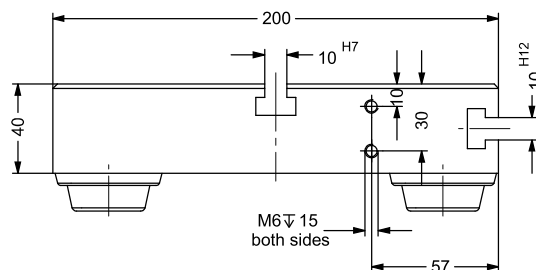
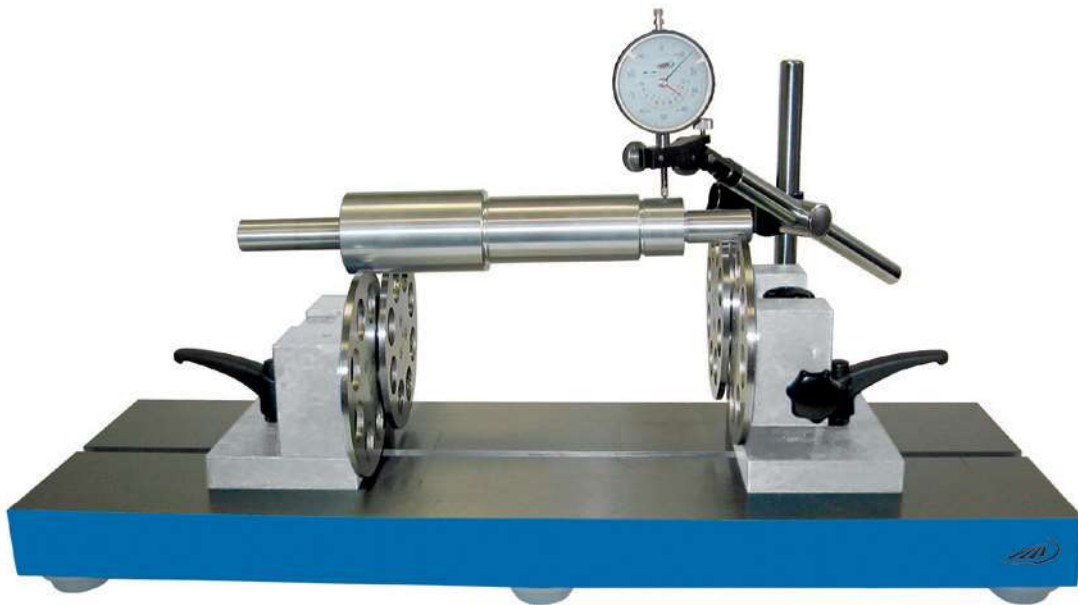
Model

- For exchange of centre supports
- Ball bearing rollers for easy turning of the workpieces
- T-grooves bearing
- Eccentric clamp

⌂	Height of roller supports	T-groove width	Contact surface	Order no.	List price
	mm	mm	mm		EUR
▪	200	14	25 - 100	0782 160	706.00



0784 Concentricity measuring gauge with disc supports



Model

- Centerless concentricity measuring instrument
- High accuracy discs are being mounted on bearings; free of play
- Discs can be slid to either side on the base

Delivery

- Wooden case
- Includes the support stand, excludes a dial gauge

	Workpiece load p. tailstock max. kg	Distance between the end mm	Disc diameter mm	Max. workpiece dia. mm	Order no.	List price EUR
▪	25	400	120	250	0784 108	3101.00

Accessories

	Order no.	List price EUR
Replacement discs, pair, Ø 120 mm	0784 181	625.00
Complete support stand for order no. 0784 108	0784 190	175.00



0788 Shaft measuring instrument



Model

- For rapid measurement of diameters, distances, shoulders, taper, roundness, etc.
- For vertical and horizontal alignment
- Vertical base with 3 hardened adjustment support surfaces
- Measuring beam is made of stainless steel
- Load capacity horizontal max. 20 kg

Delivery

- Cardboard box
- Without measuring support, guideway, dial gauge (optional accessories)



application as a bench centre

Icon	Height of centers	Distance between centres	T-groove width	Base	Order no.	List price
	mm	mm	mm	mm		EUR
▪	75	550	10 H7	200 x 120	0788 104	1131.00
Accessories					Order no.	List price
Support arm with guideways					0788 180	229.00



0788 180



0788 Shaft measuring instrument lightweight



Model

- For rapid measurement of distances, shoulders, taper, roundness, etc.
- Vertical and horizontal alignment
- Vertical base with 3 hardened adjustment support surfaces
- Measuring beam is made of hard anodized aluminium profile
- Aluminium tailstocks
- Load capacity horizontal max. 15 kg

Delivery

- Cardboard box
- Without measuring support, guideway, dial gauge (optional accessories)



application as a bench centre

3

Height of centers	Distance between the end	T-groove width	Base	Order no.	List price
mm	mm	mm	mm		EUR
75	550	10 H7	200 x 150	0788 904	900.00
Accessories				Order no.	List price
					EUR
Support arm with holder				0788 980	73.00
Support arm with guideways				0788 990	326.00



0788 980



0788 990